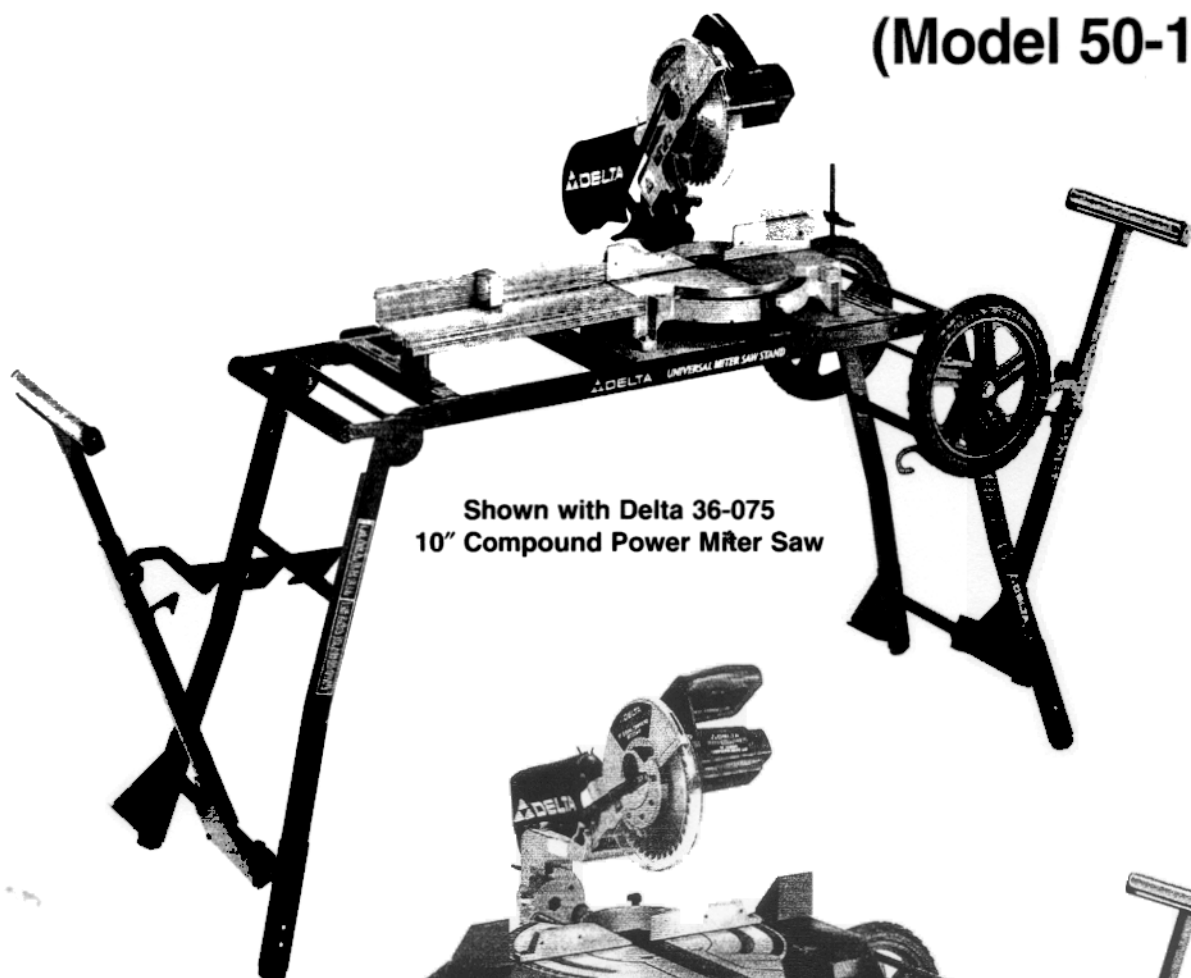


Universal Miter Saw Stand

(Model 50-155)



Shown with Delta 36-075
10" Compound Power Miter Saw



Shown with Delta 36-240
Sidekick 10" Sliding Compound
Miter Saw

DATED 4-30-99

PART NO. 1342627
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DELTA

SAFETY RULES

This product was designed for certain applications only. Delta machinery strongly recommends that this product **NOT** be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application, **DO NOT** use this product until you have written Delta Machinery and we have advised you.

Delta International Machinery Corp.
Manager of Technical Services
246 Alpha Drive
Pittsburgh, PA 15238

(In Canada: 644 Imperial Road, Guelph, Ontario N1H 6M7)

WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.

1. **THIS** product is designed to be used as a saw stand for miter saws. Any misuse or abuse can result in product damage or personal injury.
2. **DO NOT** stand on work table or use support extensions as ladder or scaffolding.
3. **MAKE SURE** the miter saw is properly secured to saw stand before operating.
4. **PLACE** stand on flat and level surface in order to limit product rocking or tipping.
5. **BE CAREFUL** when raising or lowering extension to reduce hazard of pinching of the fingers.
6. **MAKE CERTAIN** that extension work supports are properly locked in place before operation.

UNPACKING

Carefully unpack the Saw Stand and all loose items from the carton. Figs. 2 and 3, illustrate all loose items supplied with the Saw Stand.

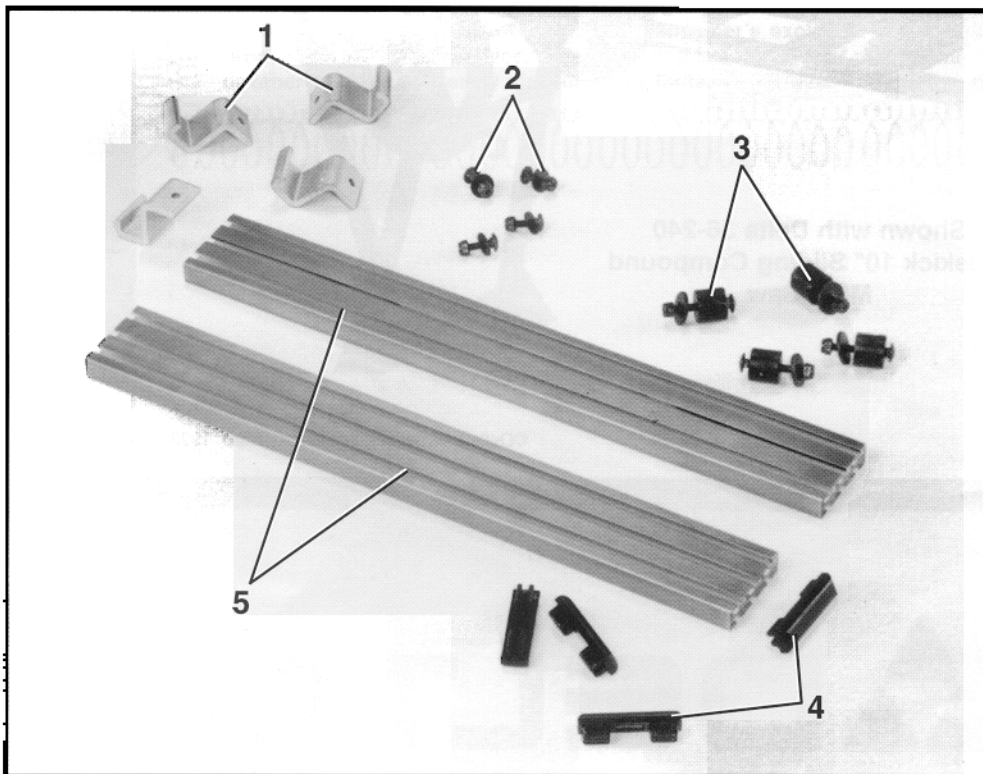


Fig. 2

1. Mounting clamps
2. Hardware for mounting clamps
3. Hardware and spacers for mounting saw to mounting rail
4. End caps
5. Mounting rails

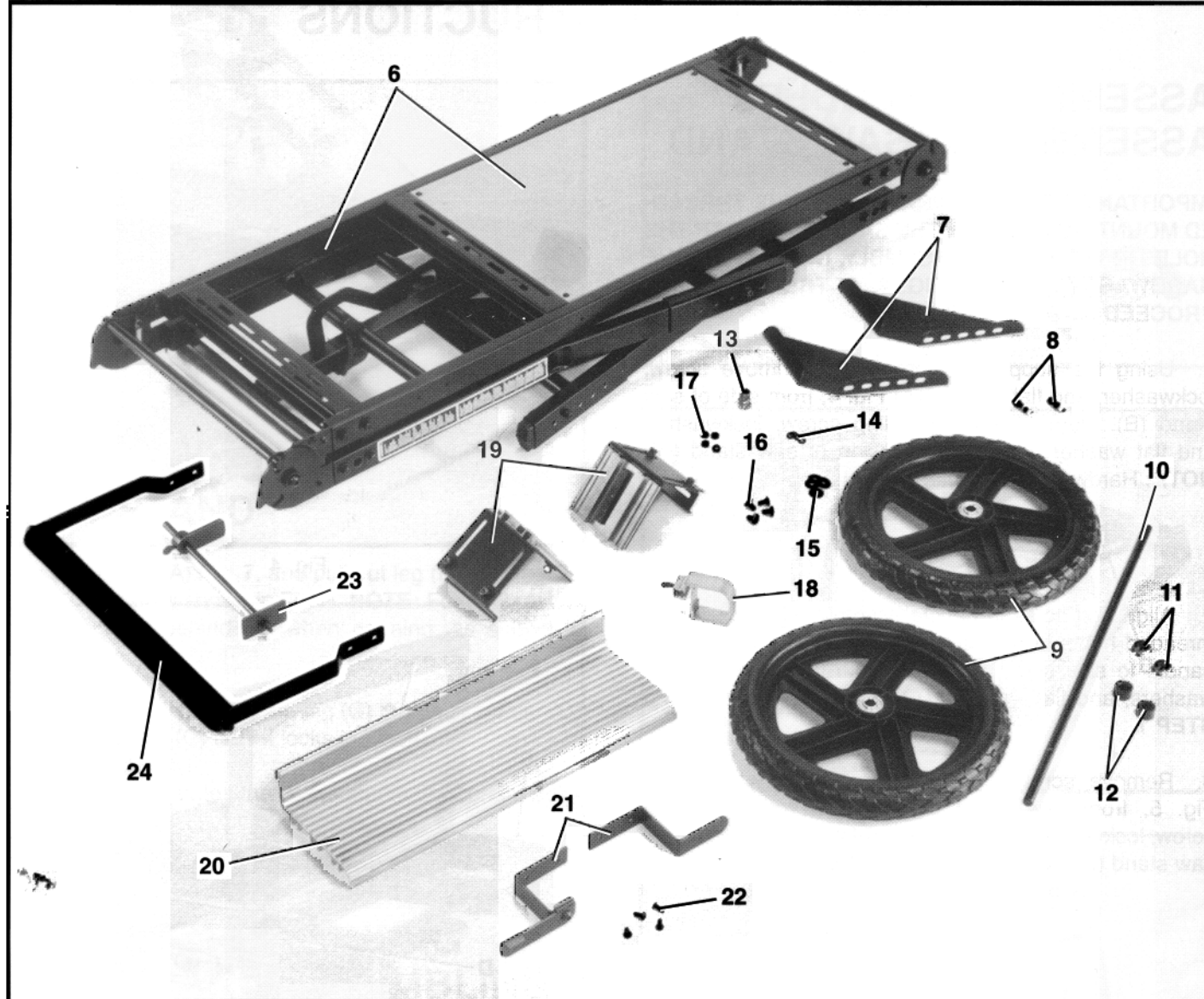


Fig. 3

- | | |
|--|--|
| 6. Saw stand | 16. M6 x 12mm carriage screws (for mounting table extension brackets to saw stand) |
| 7. Stabilizers | 17. M6 hex nuts (for mounting table extension brackets to saw stand) |
| 8. Hardware for mounting stabilizers to saw stand | 18. Stock stop |
| 9. Wheels | 19. Table extension mounting brackets |
| 10. Axle | 20. Table extension |
| 11. Axle caps | 21. Cord wrap brackets |
| 12. Spacers for axle | 22. M5 x 16mm button head screw (for mounting cord wrap brackets to saw stand) |
| 13. 10mm socket with 3/8" drive (for assembly and adjustment of the table extension mounting brackets) | 23. Stock lift inhibitor |
| 14. M6 lockwashers (for mounting table extension brackets to saw stand) | 24. Handle assembly |
| 15. M6 flat washers (for mounting table extension brackets to saw stand) | |

ASSEMBLY INSTRUCTIONS

ASSEMBLING HANDLE ASSEMBLY TO SAW STAND

IMPORTANT: TO AVOID MISALIGNING THE THREADED MOUNTING HOLES IN THE SAW STAND WITH THE HOLES IN THE HANDLE ASSEMBLY, DO NOT REMOVE HARDWARE (A) AND (D) FIG. 4, AT THE SAME TIME! PROCEED AS FOLLOWS:

1. Using the supplied 10mm socket, remove screw, lockwasher, and flat washer (A) Fig. 4, from side of saw stand (B). Remove corresponding screw, lockwasher, and flat washer from the other side of saw stand (B). **NOTE:** Hardware will be used again.

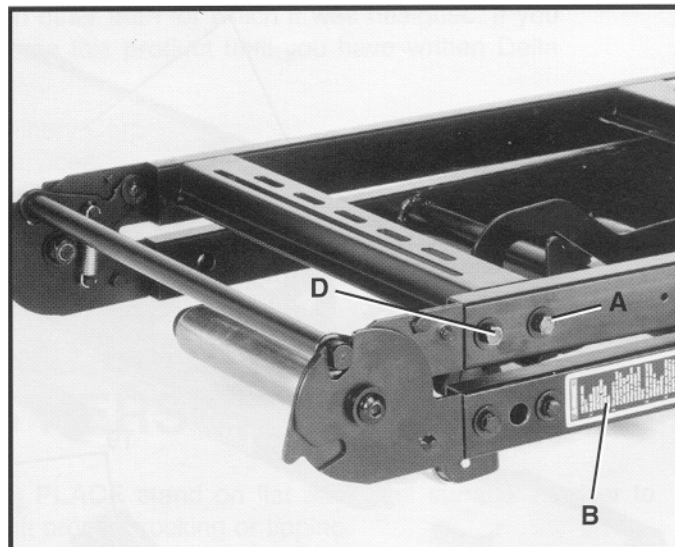


Fig. 4

2. Align end holes in handle assembly (C) Fig. 5, with threaded holes in saw stand (B) and loosely assemble handle to saw stand as shown with two screws, lockwashers, and flat washers (A), which were removed in **STEP 1**.

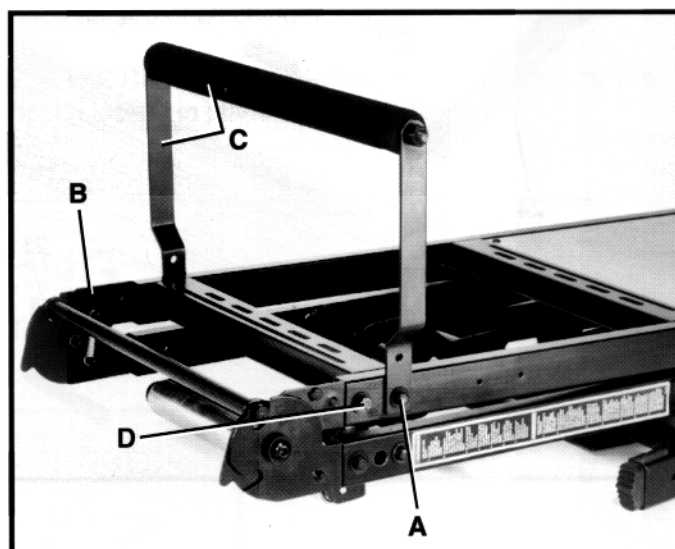


Fig. 5

3. Remove screw, lockwasher, and flat washer (D) Fig. 5, from saw stand (B). Remove corresponding screw, lockwasher, and flat washer from the other side of saw stand (B). **NOTE:** Hardware will be used again.

4. Lower handle assembly (C) Fig. 6, until remaining holes in handle line up with threaded holes in saw stand (B) and fasten handle assembly to saw stand as shown with two screws, lockwashers, and flat washers (D), which were removed in **STEP 3**.

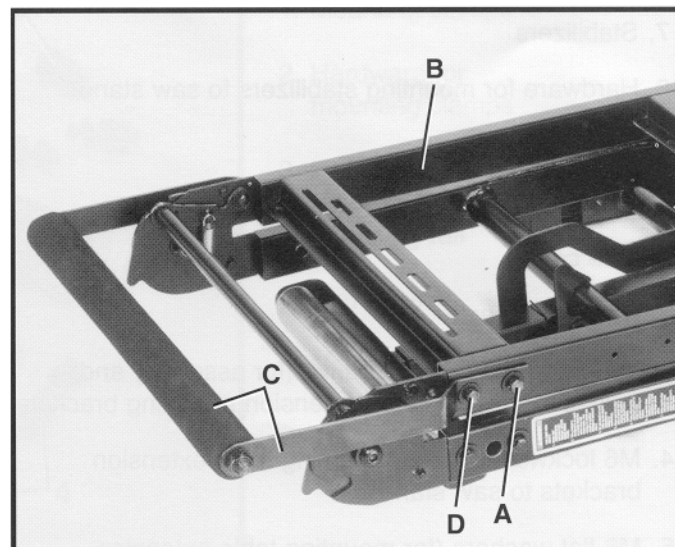


Fig. 6

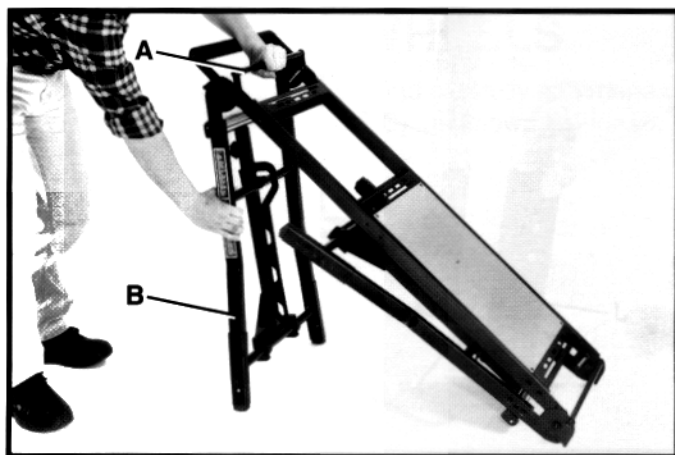


Fig. 7

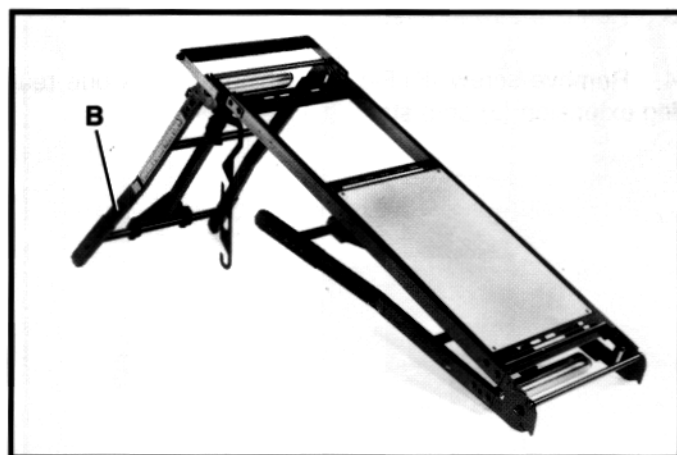


Fig. 8

ASSEMBLING SAW STAND

1. Lift up bar (A) Fig. 7, and pull out leg (B) until leg (B) locks in place as shown in Fig. 8. **NOTE:** For best results stand directly behind leg when opening, as shown in Fig. 7.
2. Standing directly behind leg (C) Fig. 9, lift up bar (D) and pull out leg (C) until it locks in place.
3. Fig. 10, illustrates the saw stand in the upright position with the two legs locked in place.

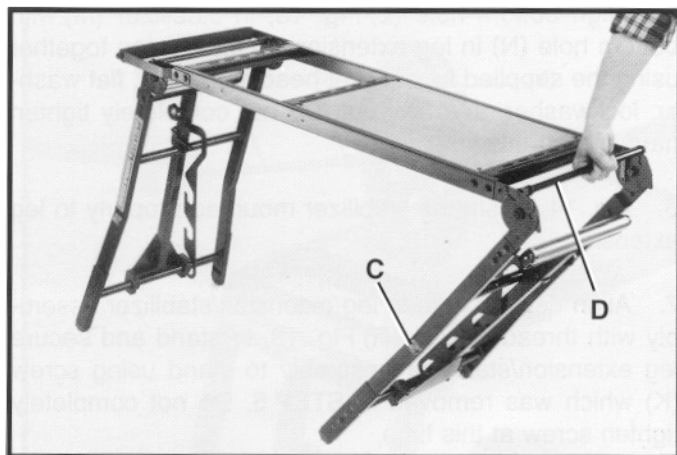


Fig. 9

ADJUSTING WORKING HEIGHT AND ASSEMBLING STABILIZERS

MAKE CERTAIN SAW IS DISCONNECTED FROM THE POWER SOURCE.

WARNING: STABILIZERS MUST BE PERMANENTLY MOUNTED TO REAR LEGS AND ALWAYS USED TO PREVENT THE SAW STAND FROM BEING ACCIDENTALLY TIPPED OVER.

1. Carefully place your miter saw onto Universal Miter Saw Stand (B) Fig. 11, and fasten using a clamp (T), as shown. **NOTE:** A table extension will be mounted later to the left hand side of the saw. If you would prefer to have the table extension on the right hand side of the saw, simply turn the saw 180 degrees.

2. Using a straight edge (G) Fig. 11, and tape measure (H), determine if the working height is suitable from the floor as shown.



Fig. 10

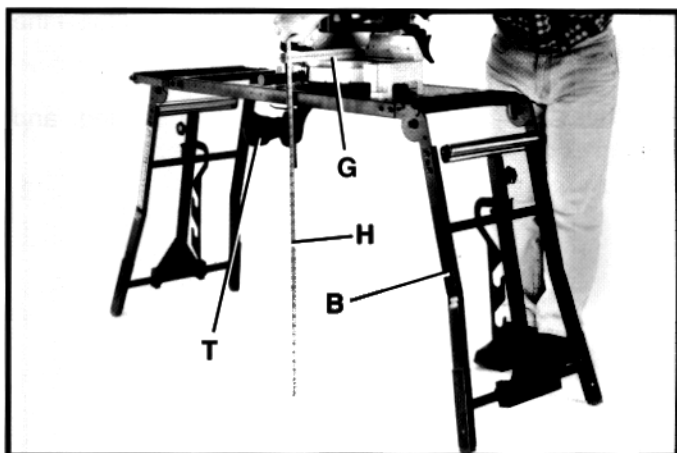


Fig. 11

3. Remove saw from stand.

4. Remove screw (K) Fig. 12, which secures one rear leg extension (J) onto stand (B) as shown.

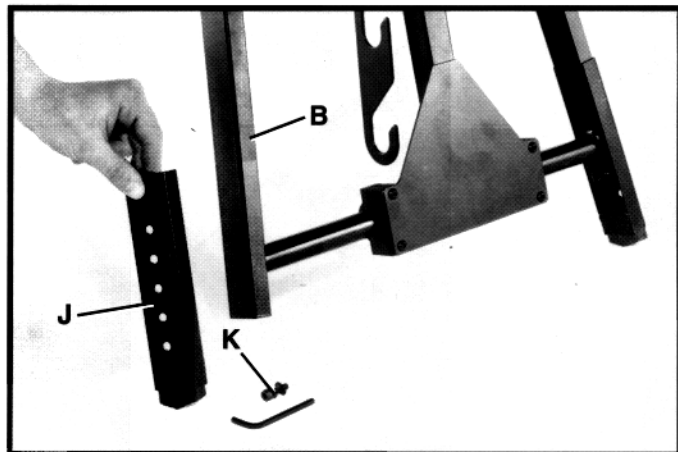


Fig. 12

5. Align bottom hole (L) Fig. 13, in stabilizer (M) with bottom hole (N) in leg extension (J) and fasten together using the supplied hex socket head screw (P), flat washer, lockwasher, and hex nut. Do not completely tighten hardware at this time.

6. Fig. 14, illustrates stabilizer mounted properly to leg extension.

7. Align desired hole in leg extension/stabilizer assembly with threaded hole (R) Fig. 13, in stand and secure leg extension/stabilizer assembly to stand using screw (K) which was removed in **STEP 5**. Do not completely tighten screw at this time.

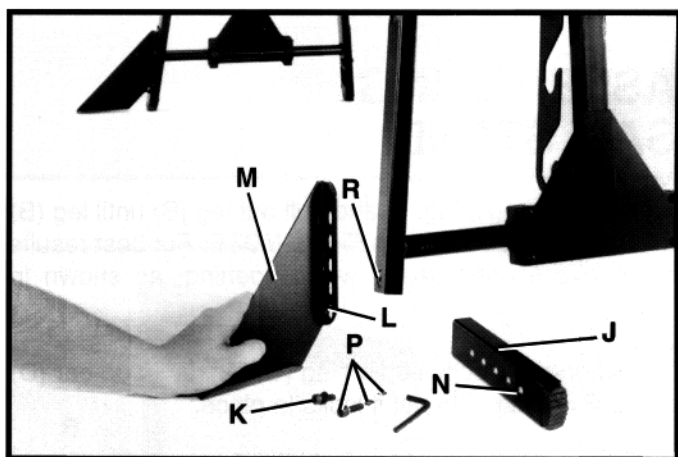


Fig. 13

WARNING: LEG EXTENSION/STABILIZER ASSEMBLY MUST BE SECURED TO STAND WITH TWO SCREWS, AND ALL FOUR LEGS MUST BE ADJUSTED TO THE SAME HEIGHT TO AVOID PERSONAL INJURY OR DAMAGE TO TOOL.

8. If a higher working height is desired, leg extensions (J) Fig. 12, can be adjusted to raise the working height a maximum of 3 inches in 1 inch increments. To increase the working height, reposition screw (K) Fig. 15, to the holes shown or through one of the holes marked (S).

9. Push down on stabilizer (M) Fig. 15, and tighten screws (K) and (P).

10. Fig. 15, illustrates stabilizer (M) properly assembled to saw stand, and leg extension (J) adjusted to raise the working height of the stand 1".

11. Repeat the steps for the remaining rear leg, and adjust the two front leg extensions if needed.

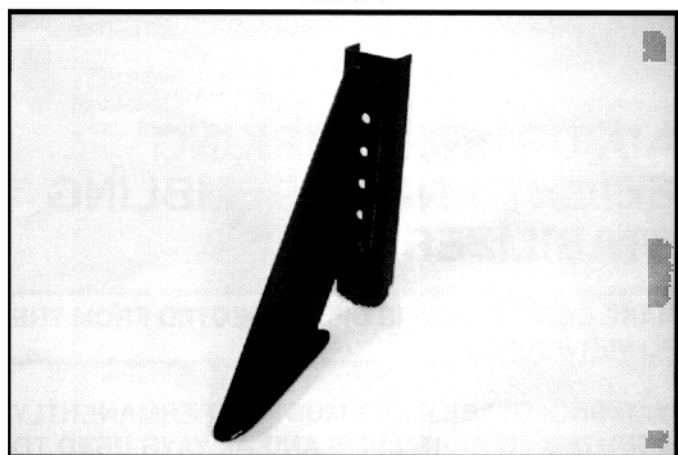


Fig. 14

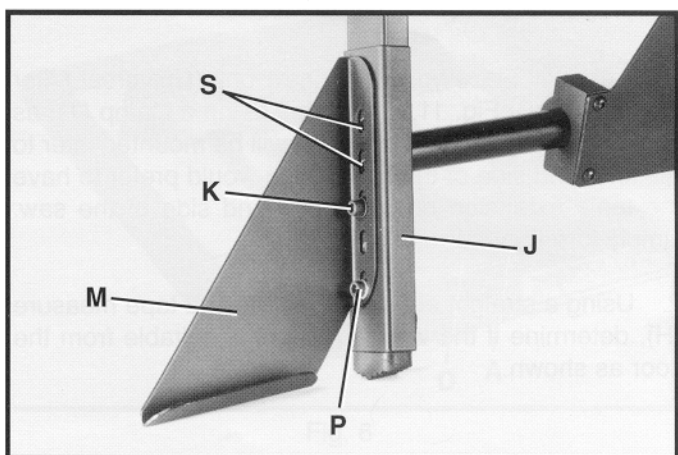


Fig. 15

ASSEMBLING WHEELS

1. Locate axle and axle cap and carefully hammer axle cap (A) onto one end of axle (B), as shown in Fig. 16.

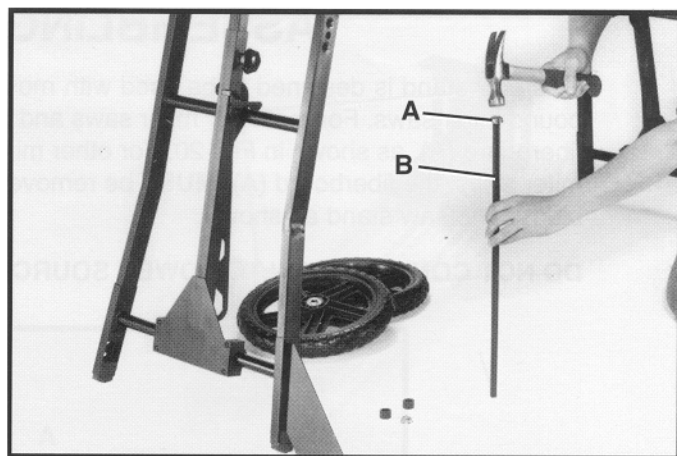


Fig. 16

2. Place wheel (C) Fig. 17, on axle (D) against the axle cap that was assembled to axle in **STEP 1**, and slide spacer (E) on axle and against wheel.

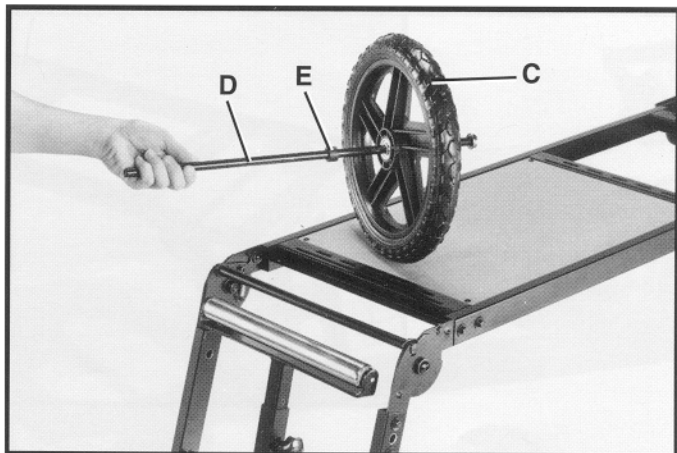


Fig. 17

3. Insert free end of axle (C) Fig. 18, through holes in leg assembly (F) as shown. **NOTE:** Wheels must be assembled to legs on end of stand where the fiberboard (G) is located. Slide spacer (H) on axle against leg, as shown.

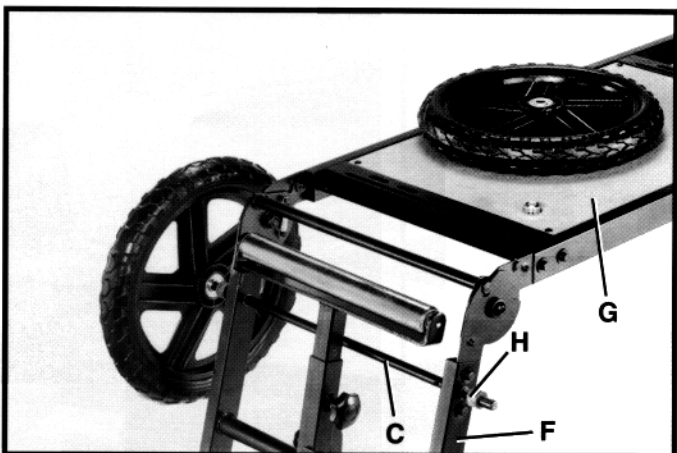


Fig. 18

4. Place remaining wheel (J) Fig. 19, on axle and carefully hammer axle cap (K) onto end of axle. **NOTE:** Opposite end of axle must be supported while axle cap (K) is assembled to end of axle.

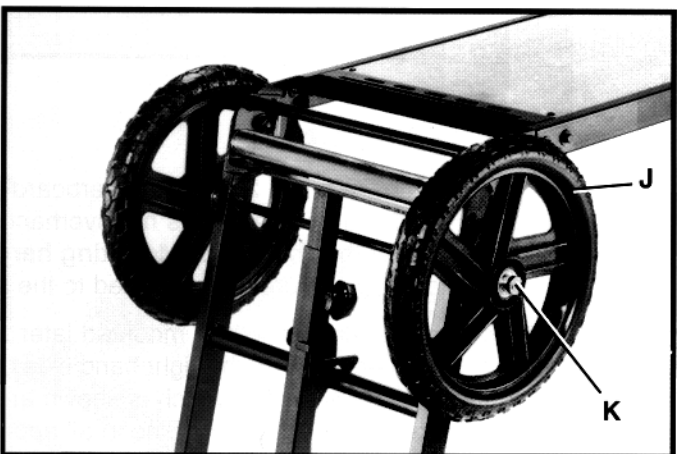


Fig. 19

ASSEMBLING SAW TO STAND

This saw stand is designed to be used with most miter saws, compound miter saws, and sliding compound miter saws. For most 10" miter saws and compound miter saws, the saws will be mounted to the fiberboard (A), as shown in Fig. 20. For other miter saws, compound miter saws, and sliding compound miter saws, the fiberboard (A), **MUST** be removed and the mounting rails (B) Fig. 21, **MUST** be assembled to the saw stand as shown.

DO NOT CONNECT SAW TO POWER SOURCE UNTIL ASSEMBLY IS COMPLETE.

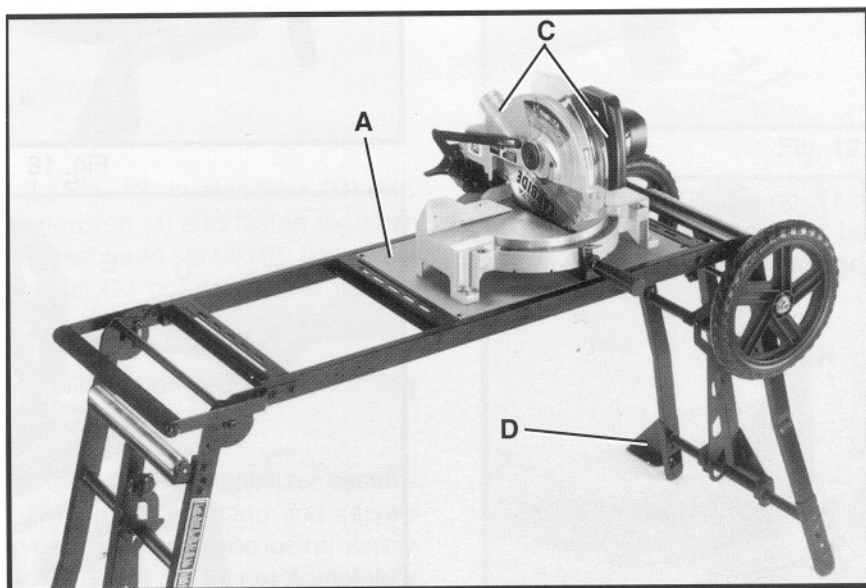


Fig. 20

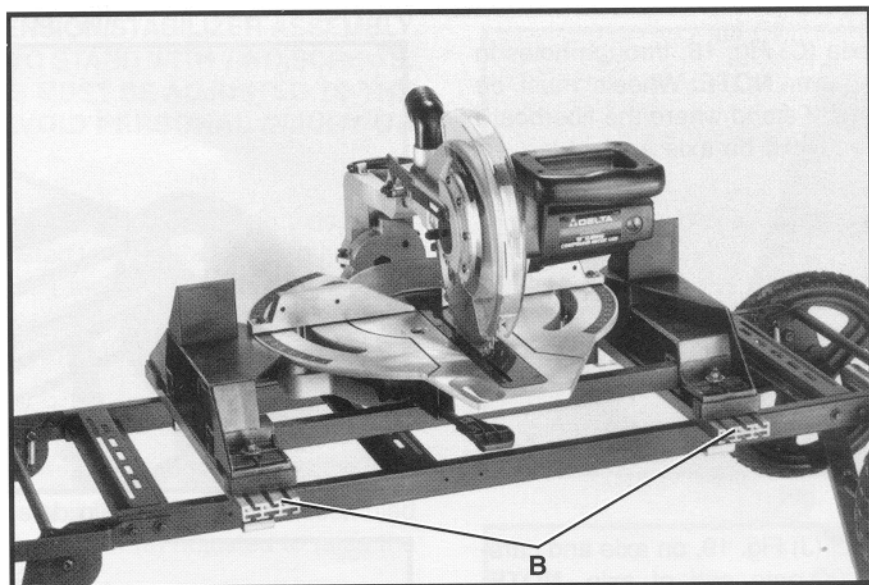


Fig. 21

FOR MOST 10" SAWS

1. Place the saw (C) Fig. 20, on the fiberboard (A) as shown. Center the base of the saw on the fiberboard. If the base of the saw does not overhang the sides of the fiberboard (A) Fig. 20, mark and drill mounting holes in the fiberboard. **Mounting hardware not included.** If the base of the saw does overhang any side of the fiberboard, proceed to the section **"FOR MOST OTHER SAWS"**.

NOTE: A table extension will be mounted later to the left hand side of the saw. If you would prefer to have the table extension on the right hand side of the saw, simply turn the saw 180 degrees, and make certain the stabilizers, one of which is shown at (D) Fig. 20, are assembled to the rear legs as shown. This table extension may not be used in all applications.

2. Slide the two mounting brackets (E) Fig. 22, onto the bottom of table extension (F), as shown. A key is supplied on the mounting brackets that engage with the keyway underneath the table extension. Mounting brackets (E) should be loosely assembled to the table extension at this time.

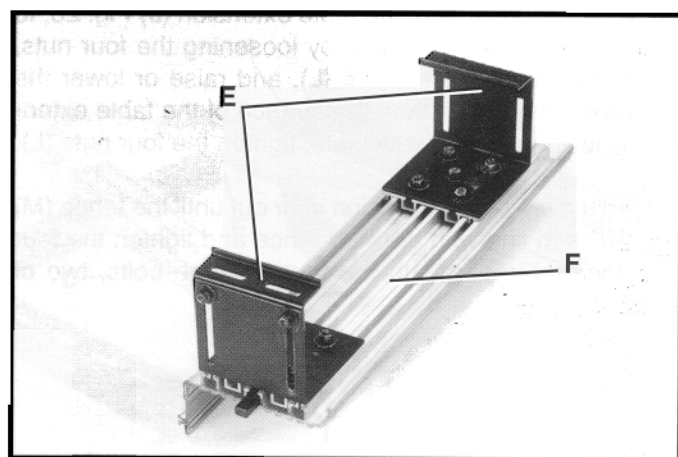


Fig. 22

3. Place the table extension assembly (G) onto the two tracks of the saw stand, as shown in Fig. 23. Use four carriage bolts, two of which are shown at (H) Fig. 24, flat washers, lockwashers and nuts and lightly fasten the mounting brackets to the saw stand. **NOTE:** A 10mm socket with a 3/8" drive is supplied to aid in making the necessary adjustments where it is necessary to loosen and tighten the metric hardware supplied with the saw stand.

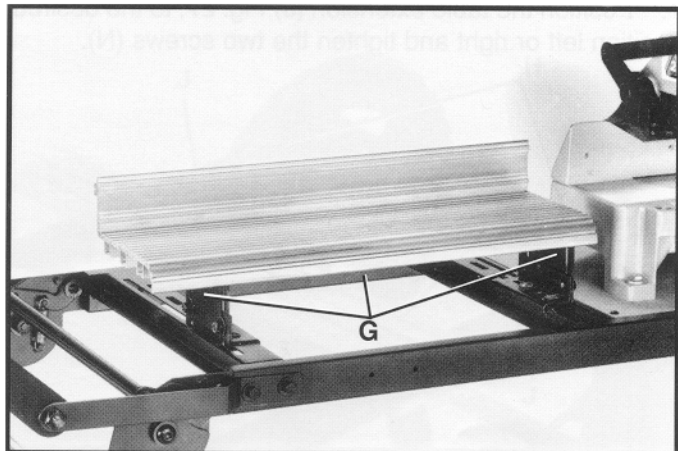


Fig. 23

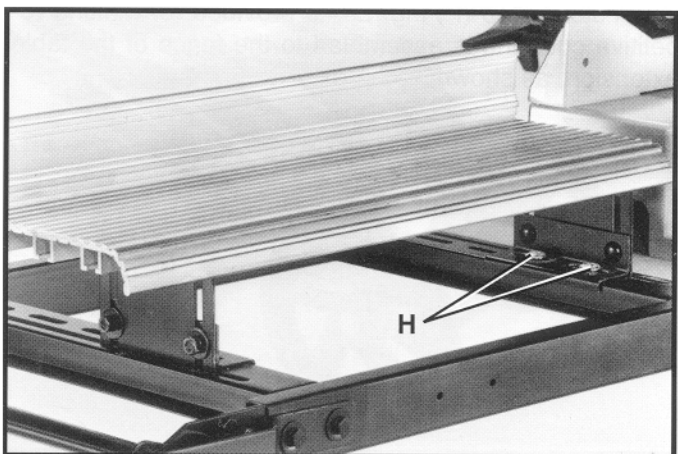


Fig. 24

4. Align the table extension assembly (J) Fig. 25, to the saw table and fence by clamping a level (K) Fig. 25, or suitable straight edge to the saw table and fence, as shown.

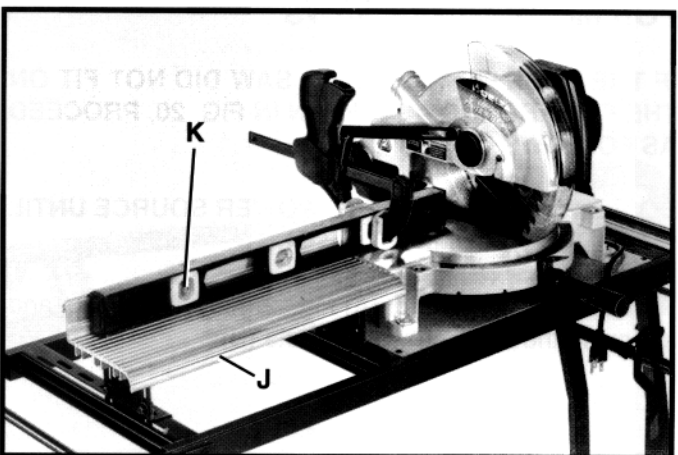


Fig. 25

5. Adjust the height of the table extension (J) Fig. 26, to be in line with the saw table by loosening the four nuts, three of which are shown at (L), and raise or lower the table extension (J). When the surface of the table extension is in line with the saw table, tighten the four nuts (L).

6. Adjust the table extension in or out until the fence (M) Fig. 26, is in line with the saw fence and tighten the four nuts located underneath the four carriage bolts, two of which are shown at (H).

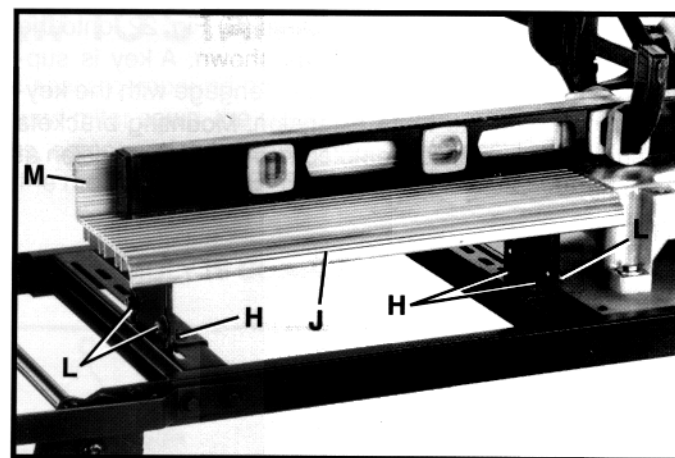


Fig. 26

7. Position the table extension (J) Fig. 27, to the desired position left or right and tighten the two screws (N).

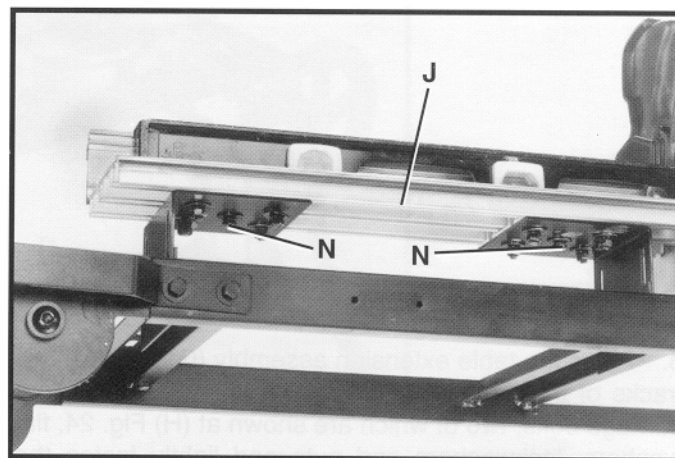


Fig. 27

8. A stock stop (P) Fig. 28, is provided for making repetitive cuts and is assembled to the fence of the table extension, as shown.

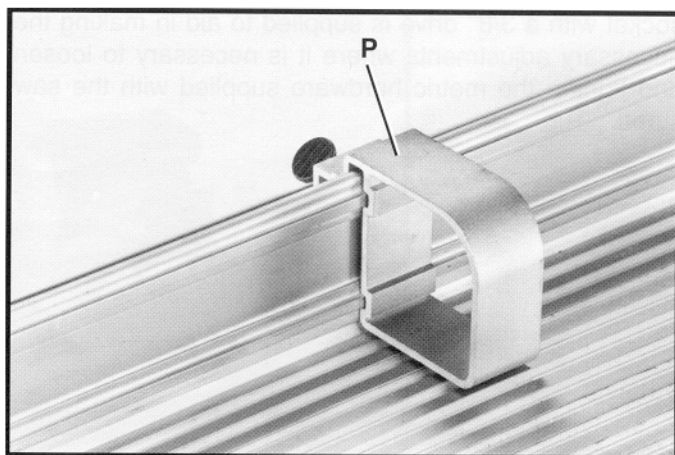


Fig. 28

FOR MOST OTHER SAWS

IF THE BASE OF THE MITER SAW DID NOT FIT ON THE FIBERBOARD AS SHOWN IN FIG. 20, PROCEED AS FOLLOWS:

DO NOT CONNECT SAW TO POWER SOURCE UNTIL ASSEMBLY IS COMPLETE.

1. Remove fiberboard (A) Fig. 29, by loosening and removing the four screws and nuts (B).

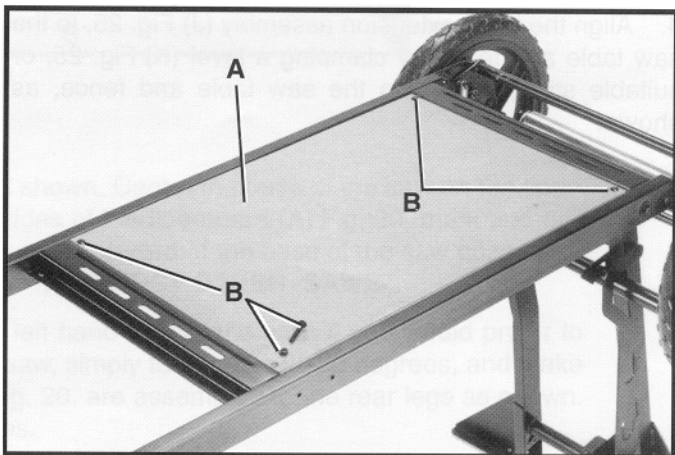


Fig. 29

2. Loosely assemble one mounting clamp (C) Fig. 30, to the end of each mounting rail (D) using four 1" carriage head screws, flat washers, and locknuts (E). Do not completely tighten hardware at this time. **NOTE: Carriage head screws must be inserted into one of the three slots in the mounting rails as shown.** Then, turn mounting rail over and assemble the rail assembly to the end of the saw stand which has the wheels by hooking mounting clamps (F) under front and rear rails (J) of the saw stand as shown.

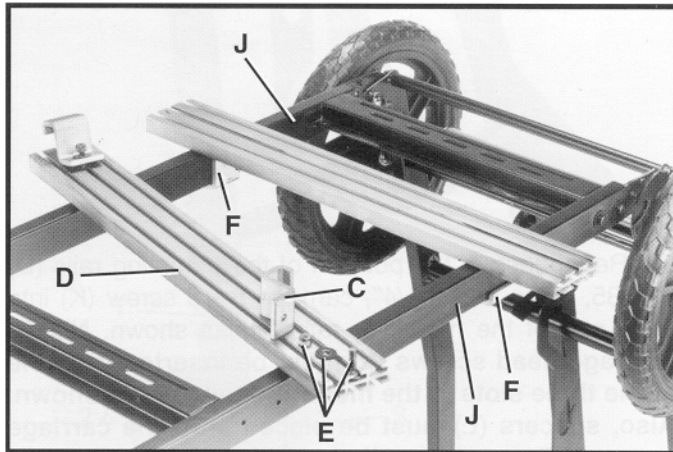


Fig. 30

3. Adjust mounting rail (D) Fig. 31, which is closest to the wheels, so that the overhang is the same at the front and back of the saw stand, and position the outside edge of mounting rail (D) 7-1/4" away from the end (H) of front and rear rails (J) as shown. Then tighten mounting hardware. **NOTE: This mounting rail (D) must be 7-1/4" away from the end of the front and rear rails (J) to allow proper clearance when the saw stand is folded as shown in Fig. 32.**

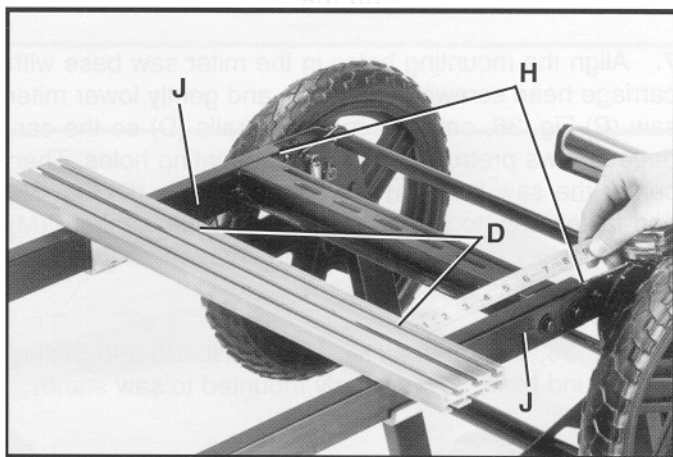


Fig. 31

4. Measure the center distance between the mounting holes at the base of the saw which you will be mounting to the saw stand, and loosely assemble and position the remaining mounting rail assembly in the same manner to the saw stand at the appropriate position.

5. Fig. 33, illustrates the two mounting rails (D) properly positioned and fastened to the saw stand for mounting a Delta Model No. 36-240 10" Sliding Compound Miter Saw. **NOTE: For certain saws, the mounting rails (D) Fig. 33, may need to be configured differently as shown in Fig. 34. The mounting rail closest to the wheels must always be 7-1/4" away from the end of the front and rear rails to allow proper clearance when the miter saw stand is folded as shown in Fig. 32.**

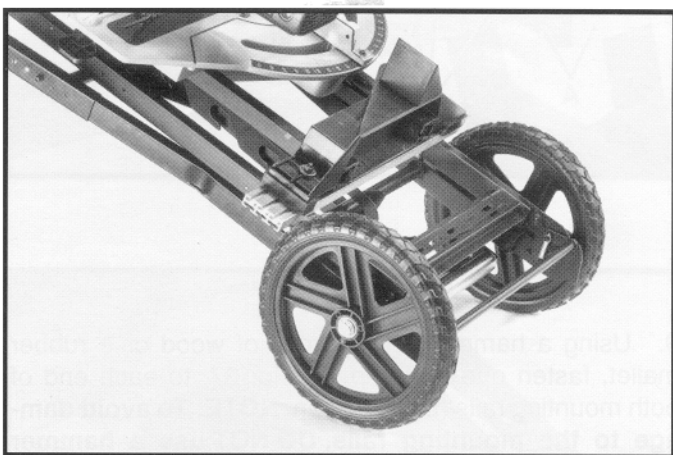


Fig. 32

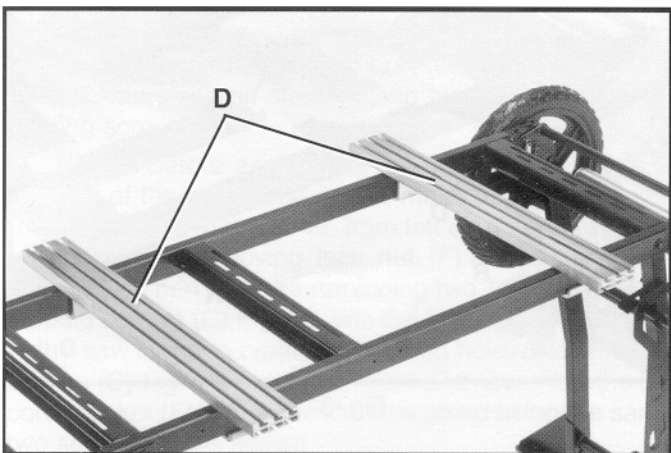


Fig. 33

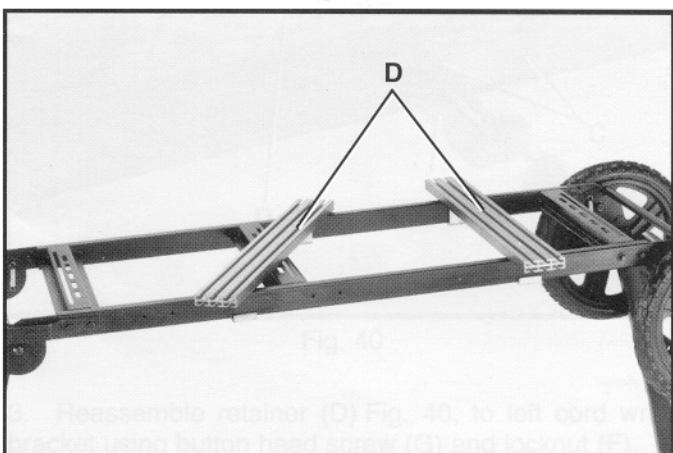


Fig. 34

6. Regardless of the position of the mounting rails (D) Fig. 35, place one 2-1/4", carriage head screw (K) into each end of the mounting rails (D) as shown. **NOTE: Carriage head screws (K) must be inserted into one of the three slots in the mounting rails (D) as shown. Also, spacers (L) must be placed onto the carriage screws (K) as shown if the saw you are using is notched out for mounting the saw to a saw horse.**

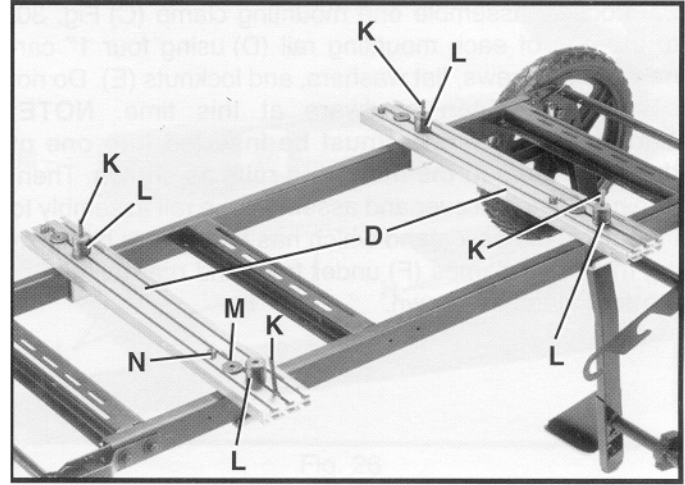


Fig. 35

7. Align the mounting holes in the miter saw base with carriage head screws (K) Fig. 35, and gently lower miter saw (P) Fig. 36, onto the mounting rails (D) so the carriage screws protrude up through mounting holes. Then center the saw base on the mounting rails (D) Fig. 35, and fasten saw to stand using the four flat washers (M) and lock nuts (N) Figs. 35 and 36. Tighten all mounting hardware at this time.

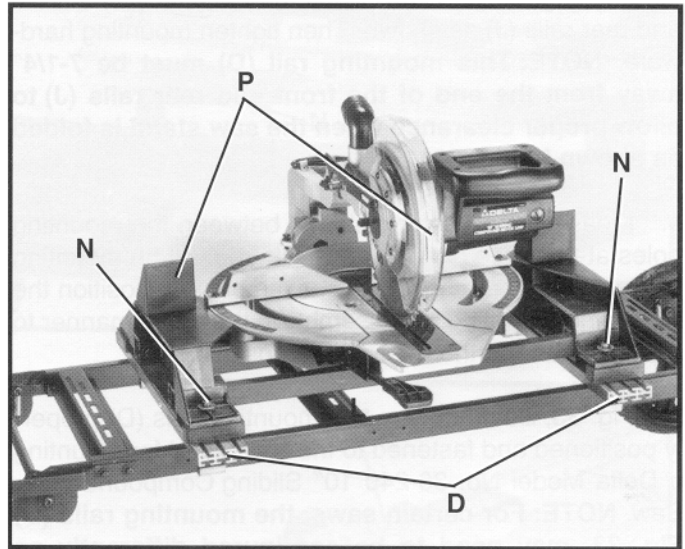


Fig. 36

9. Using a hammer and a block of wood or a rubber mallet, fasten one end cap (R) Fig. 37, to each end of both mounting rails (D) as shown. **NOTE: To avoid damage to the mounting rails, DO NOT use a hammer directly against the end caps.**

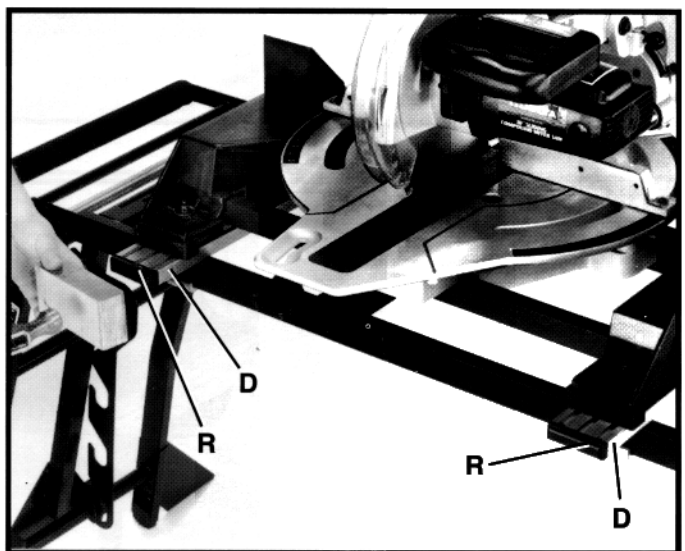


Fig. 37

TEST FOR PRODUCT STABILITY FOR ALL SAWS

The Universal Miter Saw Stand is designed to be used in conjunction with a wide variety of miter saws, compound miter saws and sliding compound miter saws. Due to the differences in size, configuration and weight distribution of these products, it is important that the product be properly positioned and secured on the stand in order to ensure the stability of the product to prevent any inadvertent tipping hazard. After you have attached the miter saw to the saw stand, we ask that you follow the steps outlined in the test procedure described below to confirm the operating stability of your unit.

WARNING: DISCONNECT SAW FROM POWER SOURCE.

WARNING: AT LEAST TWO PEOPLE ARE REQUIRED TO PERFORM THE FOLLOWING PROCEDURE.

IMPORTANT: FOR MITER SAWS, THE CUTTINGHEAD MUST BE IN THE RAISED POSITION, AND FOR SLIDING COMPOUND MITER SAWS, THE CUTTINGHEAD MUST BE IN THE RAISED POSITION AND LOCKED IN THE MOST REARWARD POSITION.

1. Place a 2-1/2" block of wood (S) Fig. 38, under the front leg (T) of saw stand as shown.

2. With one person in front of the saw stand and one person behind the saw stand (to catch the stand if it tips over), carefully lift the front of saw stand, remove the block of wood and allow saw stand to fall forward.

WARNING: STAY ALERT, FOR THE SAW STAND MAY TIP OVER DURING THIS PROCEDURE.

3. Perform this same test by placing the block of wood under the rear leg (V) Fig. 38. **WARNING: STAY ALERT, FOR THE SAW STAND MAY TIP OVER DURING THIS PROCEDURE.**

4. If the saw stand tends to tip over toward the front, the saw must be repositioned toward the rear of the saw stand. If the saw stand tends to tip over toward the rear, the saw needs to be repositioned toward the front of the saw stand. Make the necessary adjustment, if needed, then repeat tip-over test.

ASSEMBLING CORD WRAP BRACKETS

NOTE: Cord wrap bracket may not be applicable on certain saws due to mounting arrangements.

1. Assemble right cord wrap bracket (A) Fig. 39, to the rear of saw stand as shown using two 16mm long self-tapping screws (B).

2. **NOTE:** Before assembling left cord wrap bracket to the rear of the saw stand and to make assembly easier, remove retainer (D) Fig. 40, from left cord bracket (E) by loosening and removing lock nut (F) and button head screw (G). Then start the remaining two 16mm long self-tapping screws (C) Fig. 39, into the two holes at the back of the saw stand to create a threaded hole. Back the two screws (C) Fig. 39, out of the holes and assemble the left cord bracket (E) Fig. 40, to the saw stand using the same two screws (C) as shown.

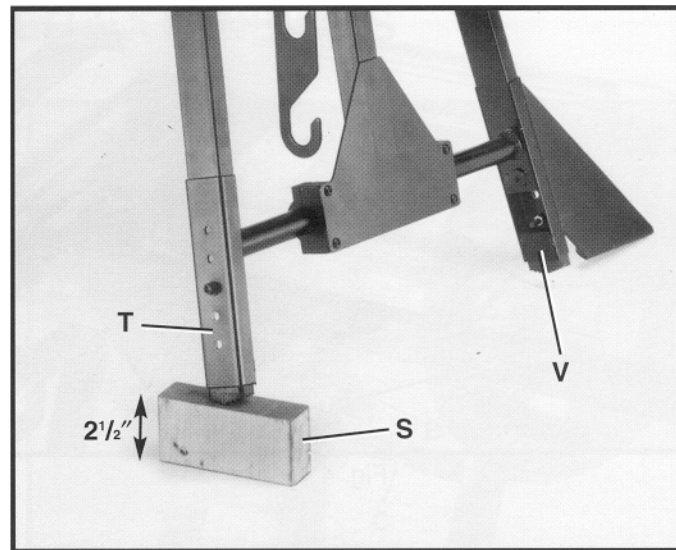


Fig. 38

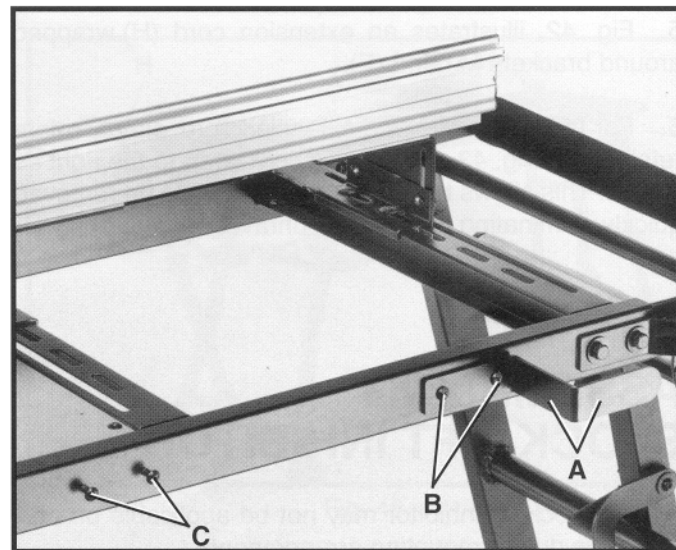


Fig. 39

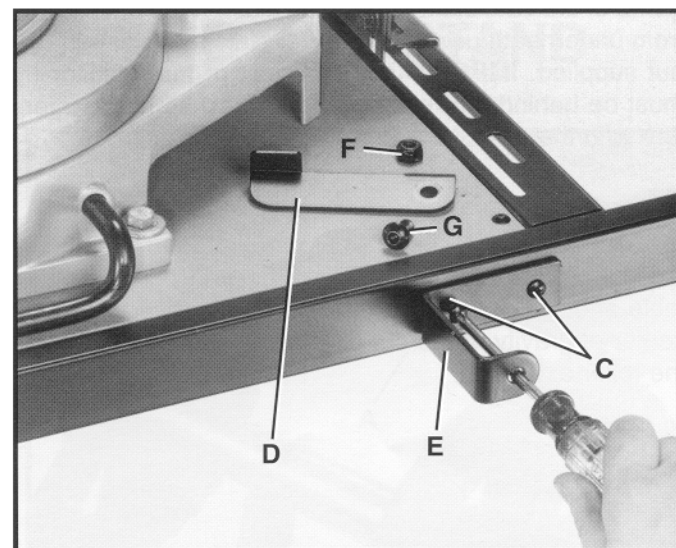


Fig. 40

3. Reassemble retainer (D) Fig. 40, to left cord wrap bracket using button head screw (G) and locknut (F).

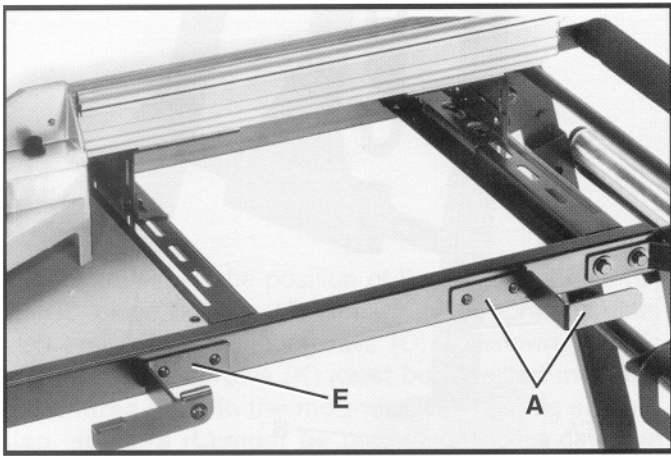


Fig. 41

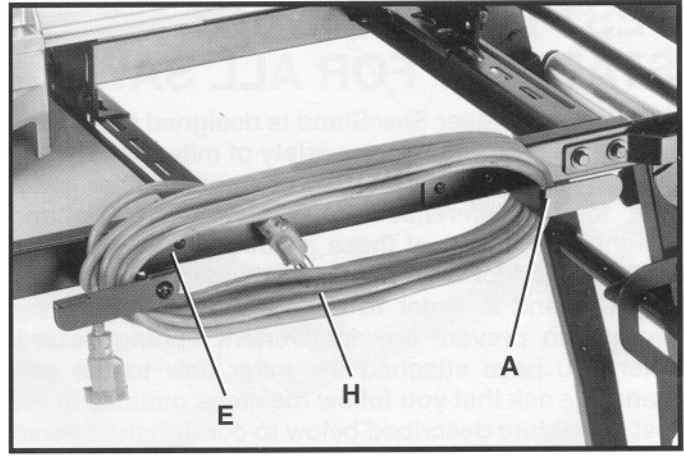


Fig. 42

4. Fig. 41, illustrates cord wrap brackets properly assembled to the saw stand.

5. Fig. 42, illustrates an extension cord (H) wrapped around brackets (A) and (E).

6. For fast removal of the extension cord, simply rotate retainer (D) Fig. 43, of left hand cord wrap to the right as shown. This allows the extension cord (H) to be removed quickly, eliminating the need to unravel it.

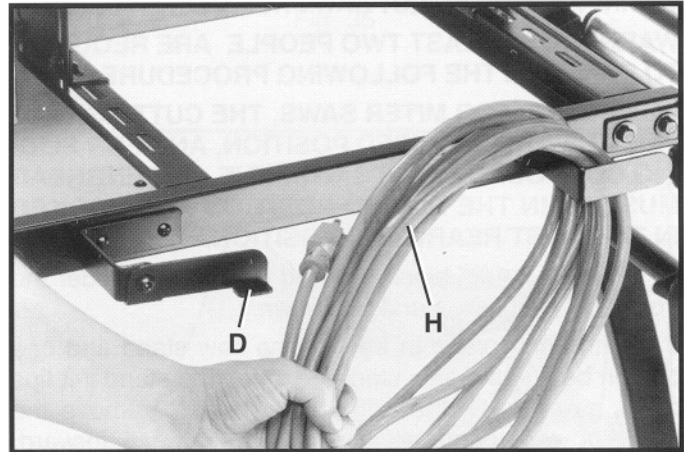


Fig. 43

ASSEMBLING STOCK LIFT INHIBITOR

NOTE: Stock lift inhibitor may not be applicable on certain saws due to mounting arrangements.

1. Assemble the stock lift inhibitor (I) Fig. 44, to the frame of the saw stand as shown. Fasten the inhibitor (I) from underneath using the special plate, flat washer and nut supplied. **IMPORTANT:** The post of the inhibitor (I) must be behind the fence of the saw so as not to interfere with the workpiece.

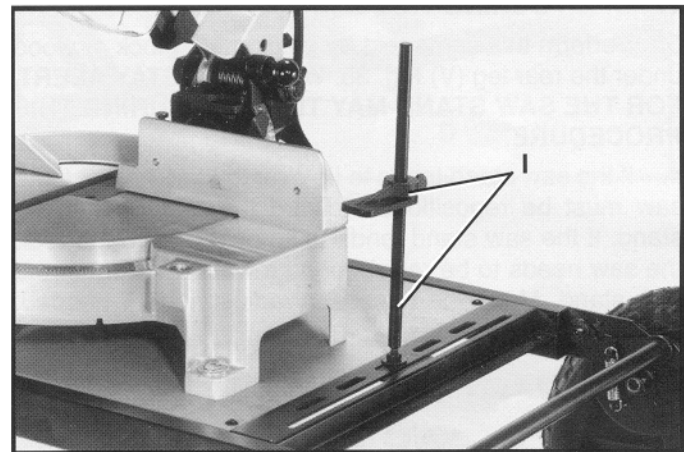


Fig. 44

2. The stock lift inhibitor (I) Fig. 45, is used to prevent the cut-off workpiece from tilting up and falling off the table after it has been cut. It is only effective when the center of gravity of the cut-off piece extends out beyond the roller extension.

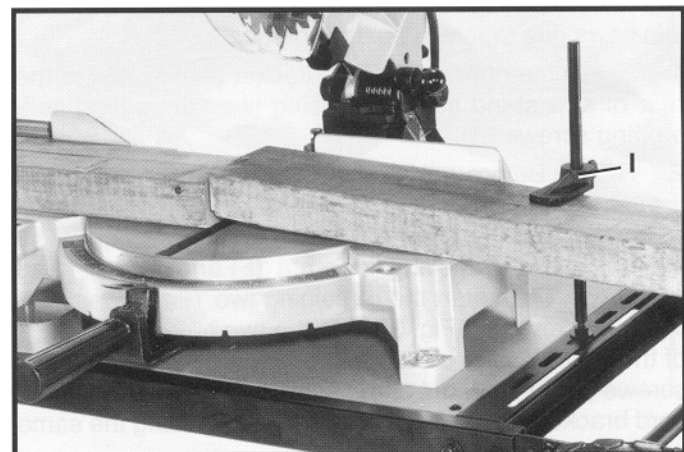


Fig. 45

ADJUSTING ROLLER EXTENSIONS

Two roller extensions are provided, one on each end of your saw stand, and are adjustable to support extra long workpieces. Adjust the roller extensions as follows:

1. Press down lever (A) Fig. 46, to disengage latch (B) from bar (C) as shown.
2. Pull out arm (D) Fig. 47, of roller extension and position one of the three stops in bar (E) onto bar (F).
3. Loosen lock knob (G) Fig. 48, and raise roller (H) to the desired height and tighten knob (G).
4. Adjust roller extension on right side of saw stand in the same manner.

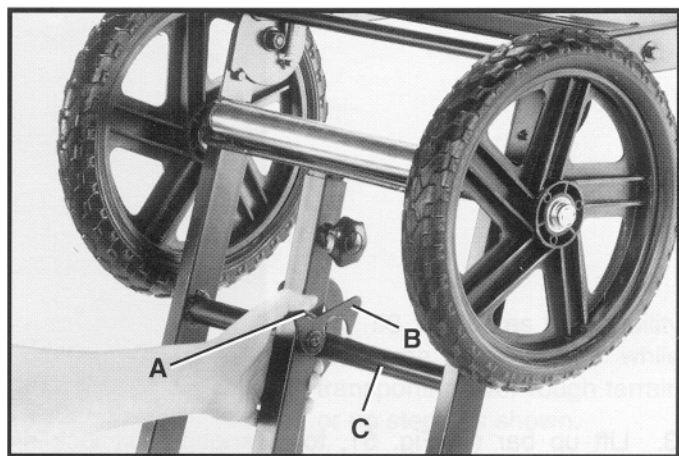


Fig. 46

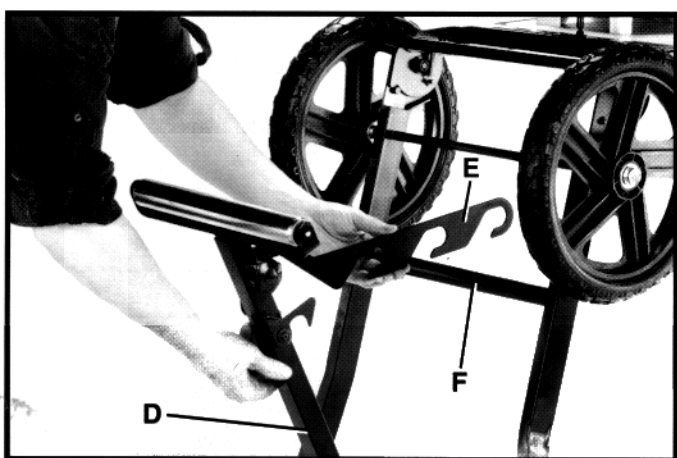


Fig. 47

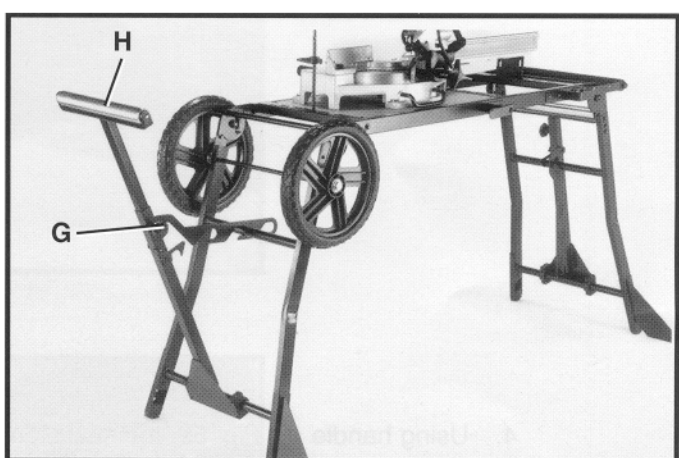


Fig. 48

FOLDING AND TRANSPORTING SAW STAND

1. To fold saw stand for storage or transportation to a different location, lift up bar (A) Fig. 49, to disengage leg lock. **IMPORTANT:** Leg on wheel end of saw stand should be folded first.

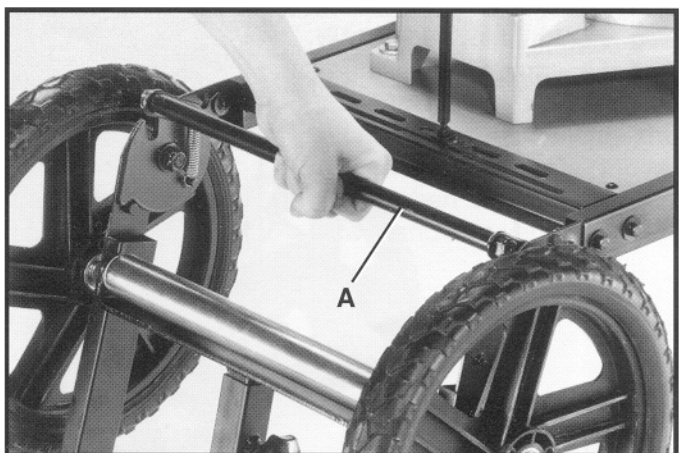


Fig. 49

2. Lift and fold leg assembly (B) underneath stand as shown in Fig. 50.

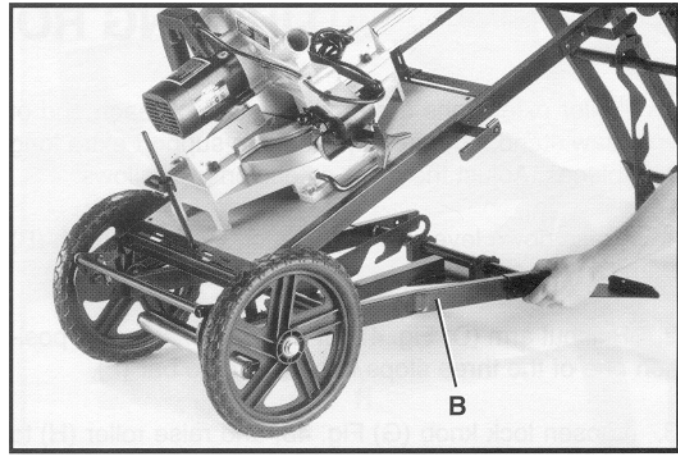


Fig. 50

3. Lift up bar (C) Fig. 51, to disengage leg lock on remaining leg (D) and fold leg (D) underneath stand.

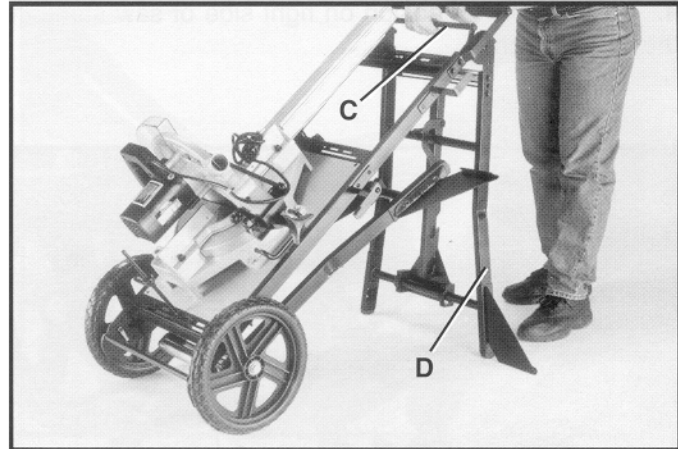


Fig. 51

4. Using handle (E) Fig. 52, the saw stand can easily be wheeled to the desired location.



Fig. 52



Fig. 53

Fig. 53, illustrates the mobility the large wheels offer while transporting over rough terrain or up steps as shown.



Fig. 54

Fig. 54, illustrates how compact the saw stand is and how easily it can be transported in the back of a pickup truck. **WARNING:** To eliminate personal injury or damage to tool make certain saw stand is securely fastened inside the vehicle to eliminate movement when transporting the saw stand in a vehicle.



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